

APPLICANT(S): ROTH, Shmuel et al.  
SERIAL NO.: 10/500,896  
FILED: March 3, 2004  
Page 2

### AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims indicated as cancelled:

1. **(Currently Amended)** A display for reproducing a proofed image intended for printing on a substrate using a set of inks, the display comprising:

a light source to generate light of a set of at least three colors having at least three different chromaticities, respectively, said chromaticities being selected to define a viewed color gamut which ~~substantially~~ entirely covers a perceived color gamut of said set of inks when printed on said substrate; and

a controller to produce a light pattern corresponding to said proofed image by selectively controlling the path of the light of said at least three colors.

2. **(Original)** The display of claim 1 comprising a correction filter, the spectrum of the correction filter being based on the spectrum reflected from a type of said substrate.

3. **(Previously presented)** The display of claim 1 comprising a correction filter, the spectrum of the correction filter being based on the spectrum of an intended light used to view the proofed image when printed on said substrate.

4. **(Previously presented)** The display of claim 1 wherein the light source includes at least a plurality of light emitting diodes.

5. **(Previously Presented)** The display of claim 1, wherein the light source includes at least:

a polychromatic source to generate polychromatic light; and

a color filtering mechanism to sequentially generate the light of said at least three colors by filtering said polychromatic light.

6. **(Previously Presented)** The display of claim 1, wherein said at least three colors comprise at least four colors.

APPLICANT(S): ROTH, Shmuel et al.  
SERIAL NO.: 10/500,896  
FILED: March 3, 2004  
Page 3

7. **(Previously Presented)** The display of claim 1, wherein the light source produces light of three colors, the transmission spectra of which define said viewed color gamut.

8. **(Original)** The display of claim 1 comprising a spatial light modulator.

9. **(Original)** The display of claim 1 comprising a digital micro-mirror device.

10. **(Currently Amended)** A method for reproducing a proofed image intended for printing on a substrate using a set of inks, the method comprising:

producing light of at least three colors having at least three different chromaticities, respectively, said chromaticities being selected to define a viewed color gamut which ~~substantially~~ entirely covers a perceived color gamut of said set of inks when printed on said substrate; and

selectively controlling the path of the light of said at least three colors to produce a light pattern corresponding to said proofed image.

11. **(Previously Presented)** The method of claim 10 comprising:

accepting image data corresponding to said proofed image; and

converting said image data into converted data corresponding to said at least three colors,

wherein said selectively controlling comprises controlling the path of the light of said at least three colors based on said converted data.

12. **(Original)** The method of claim 10 comprising passing light through a correction filter, the spectrum of the correction filter being based on the spectrum reflected from a type of said substrate.

13. **(Previously presented)** The method of claim 10 comprising passing light through a correction filter, the spectrum of the correction filter being based on the spectrum of an intended light source used to view said proofed image when printed on said substrate.

14. **(Previously Presented)** The method of claim 10, wherein producing light of said at least three colors comprises passing light through a color wheel.

APPLICANT(S): ROTH, Shmuel et al.  
SERIAL NO.: 10/500,896  
FILED: March 3, 2004  
Page 4

15. **(Previously Presented)** The method of claim 10, wherein said at least three colors include a red color, a green color and a blue color, the transmission spectra of which define said viewed color gamut.

16. **(Previously Presented)** The method of claim 10 comprising spatially modulating the light of said at least three colors.

17. **(Previously Presented)** The device of claim 5, wherein said color filtering mechanism is adapted to sequentially place at least three color filters corresponding to said at least three colors, respectively, in the path of said polychromatic light.

18. **(Previously Presented)** The device of claim 1, wherein said controller controls the path of the light of said at least three colors based on image data representing the proofed image in terms of said at least three colors.

19. **(Previously Presented)** The device of claim 1, wherein said light source generates the light of said at least three colors independently of said proofed image.

20. **(Previously Presented)** The method of claim 10, wherein producing the light of said at least three colors comprises selectively producing the light of said at least three colors independently of said proofed image.

21. **(New)** The device of claim 1, wherein said light source is to generate light of exactly three colors having three different chromaticities, respectively, said chromaticities being selected to define a viewed color gamut which entirely covers a perceived color gamut of said set of inks when printed on said substrate.

22. **(New)** The method of claim 10, wherein producing light of at least three colors comprises producing light of exactly three colors having three different chromaticities, respectively, said chromaticities being selected to define a viewed color gamut which entirely covers a perceived color gamut of said set of inks when printed on said substrate.